

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 8,009,660 B2
APPLICATION NO. : 10/583530
DATED : August 30, 2011
INVENTOR(S) : Xiaodong Li et al.

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the title page, item (54), in column 1, in "Title", line 1, delete "METHODS" and insert -- METHOD --, therefor.

In column 1, line 1, delete "METHODS" and insert -- METHOD --, therefor.

In column 4, line 6, below "slots."

insert -- As depicted in FIG. 1, in a multi-carrier communication system, a generic transmitter may consist of the following functional blocks:

1. Encoding and modulation 108
2. Pilot generation and insertion 106
3. Inverse fast Fourier transform (IFFT) 110
4. Transmission 112 --.

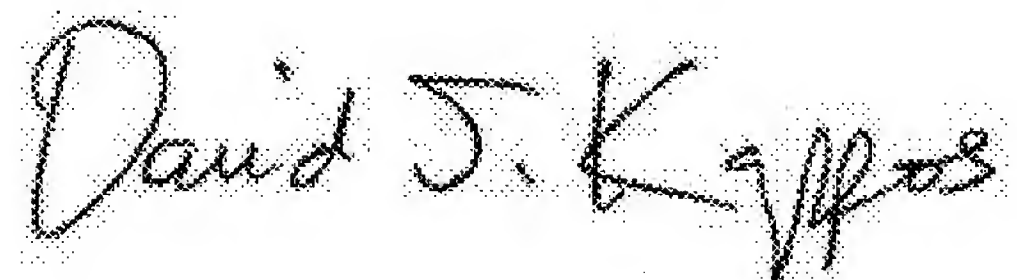
In column 5, line 55, delete " $2\pi f_i \Delta t = \arg\{s_i(k)s_i(k+1)\} - \beta_i$ " and insert -- $2\pi f_i \Delta t = \arg\{s_i^*(k)s_i(k+1)\} - \beta_i$ --, therefor.

In column 9, line 37, in claim 1, delete "cells, and," and insert -- cells, --, therefor.

In column 9, line 60-61, in claim 3, delete " $2\pi f_i \Delta t = \arg\{s_i^*(k)s_i(k+1)\} - \beta_i$," and insert -- $2\pi f_i \Delta t = \arg\{s_i^*(k)s_i(k+1)\} - \beta_i$ --, therefor.

In column 9, line 63, in claim 3, delete " $A\Delta t \ll a$ " and insert -- $\Delta t \ll a$ --, therefor.

Signed and Sealed this
Twentieth Day of December, 2011



David J. Kappos
Director of the United States Patent and Trademark Office

In column 9, line 67, in claim 3, delete “ $\phi_{i,m}(t_k)=\phi_{8,m}(t_{k+1})+\beta_i$ ” and insert -- $\varphi_{i,m}(t_k)=\varphi_{i,m}(t_{k+1})+\beta_i$ --, therefor.

In column 10, line 38, in claim 4, delete “ $\Delta f=f_n=f_i$,” and insert -- $\Delta f=f_n-f_i$; --, therefor.

In column 10, line 51, in claim 5, delete “ $\phi_{l,m}(t_k)=\phi_{i,m}+\beta_l$,” and insert -- $\varphi_{l,m}(t_k)=\varphi_{l,m}(t_{k+1})+\beta_l$ --, therefor.

In column 10, line 52, in claim 5, delete “ $-\pi \leq \beta_i \leq \beta \pi$ ” and insert -- $-\pi \leq \beta_i \leq \pi$ --, therefor.

In column 10, line 47, in claim 21, delete “on” and insert -- on the --, therefor.